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December 10, 2019

Submitted Via Email to AQRoutineReport.PCA@state.mn.us

Air Quality Compliance Tracking Coordinator
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155-4194

RE: 40 CFR 60 Subpart Kb Update, November 2019

To whom it may concern:

The attached tables provide updates on NSPS Kb tank inspections at the Flint Hills Resources Pine Bend Refinery in Rosemount, Minnesota to satisfy the notification requirements in 40 CFR § 60.113b(a)(5) and 40 CFR § 60.113b(b)(5) and CFR § 60.113b(b)(6)(ii).

Pursuant to 40 CFR § 60.115b(a)(3), the following tanks did not meet specifications for the annual internal floating roof tank seal inspection: **No IFR tanks failed to meet inspection criteria in the month of November.**

Pursuant to 40 CFR § 60.115b(a)(4), the following tanks did not meet specifications for the internal floating roof tank seal inspection: **No IFR tanks failed to meet inspection criteria in the month of November.**

Pursuant to 40 CFR § 60.115b(b)(4), the following tanks did not meet specifications for the annual external floating roof tank seal inspections: **94B7A/B basins were inspected in the month of November. 94B7A/B both had secondary seal gaps exceeding Kb allowances. Work orders PB567454 and PB567452 were written for repairing the secondary seals of 94B7A/B by the respective 45-day Kb repair deadline.**

Also included in this submittal is the 2020 Kb schedule.

If you have any questions regarding this letter, or if you would like to be present at any of the planned tank inspections, please contact me at (651) 438-5821.

Sincerely,

Robert Covey
Tanks Program Owner

Cc: Dan Dietrich, MPCA
Director, Air and Radiation Division, US EPA Region V

2019 PLANNED Kb-RELATED ACTIVITY

Flint Hills Resources Pine Bend Refinery

TANK	ROOF TYPE	ACTION	Past Date	SCHEDULED DATE	FOLLOW-UP FROM INSPECTION
094TK063	EFR	5 year primary inspection and seal gap measurement	Completed 3/14/2017	Scheduled 3/2022	
086TK001	EFR	5 year primary inspection and seal gap measurement	Completed 4/06/2017	Scheduled 4/2022	
086TK002	EFR	5 year primary inspection and seal gap measurement	Completed 4/27/2015	Scheduled 4/2020	
086TK003	EFR	5 year primary inspection and seal gap measurement	Completed 4/26/2016	Scheduled 4/2021	
086TK004	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK005	EFR	5 year primary inspection and seal gap measurement	Completed 4/12/2017	Scheduled 4/2022	
086TK006	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK061	EFR	5 year primary inspection and seal gap measurement	Completed 4/25/2018	Scheduled 4/2023	
086TK066	EFR	Initial visual inspection and secondary seal gap measurement.	New seal installed during TA	Scheduled 12/2019	
086TK066	EFR	Initial 5 year primary inspection and seal gap measurement	New seal installed during TA	Scheduled 12/2019	
086TK068	EFR	5 year primary inspection and seal gap measurement	Completed 10/2/2017	Scheduled 10/2022	
086TK080	EFR	5 year primary inspection and seal gap measurement	Completed 4/05/2017	Scheduled 4/2022	
086TK087	EFR	5 year primary inspection and seal gap measurement	Completed 4/25/2018	Scheduled 4/2023	
086TK088	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK151	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK152	EFR	5 year primary inspection and seal gap measurement	Completed 4/13/2015	Scheduled 4/2020	
086TK160	EFR	5 year primary inspection and seal gap measurement	Completed 3/29/2017	Scheduled 3/2022	
049TK586	EFR	5 year primary inspection and seal gap measurement	Completed 8/7/2017	Scheduled 8/2022	
049TK587	EFR	5 year primary inspection and seal gap measurement	Completed 7/31/2017	Scheduled 7/2022	
094TK064	EFR	5 year primary inspection and seal gap measurement	Completed 2/22/2018	Scheduled 2/2023	
94V49	EFR	5 year primary inspection and seal gap measurement	Completed 10/23/2018	Scheduled 10/2023	
094B-7A East	EFR	Annual visual inspection and secondary seal gap measurement	Completed 11/14/2018	Completed 11/14/2019	Repair is required. See Attached Report.
094B-7A East	EFR	5 year primary inspection and seal gap measurement	Completed 11/9/2016	Scheduled 11/2021	
094B-7B West	EFR	Annual visual inspection and secondary seal gap measurement	Completed 11/14/2018	Completed 11/14/2019	Repair is required. See Attached Report.
094B-7B West	EFR	5 year primary inspection and seal gap measurement	Completed 11/9/2016	Scheduled 11/2021	

2019 Current Kb-related Activity

Flint Hills Resources

Pine Bend Facility

Note: Notifications are reflected for Internal and External Floating Roofs.

TANK	ROOF TYPE	Date of 30-day notification	ANTICIPATED FILL DATE
TK66	EFR	4/10/2019	Tank refilled on 12/10/2019
TK26	IFR	4/10/2019	2/15/2020
TK10	IFR	5/9/2019	3/15/2020
TK14	IFR	5/9/2019	5/1/2020
TK61	EFR	5/9/2019	9/15/2020
TK62	EFR	5/9/2019	9/15/2020
TK161	IFR	5/9/2019	9/15/2020
TK85	IFR	5/9/2019	9/15/2020
TK67	IFR	5/9/2019	10/15/2020
TK25	IFR	5/9/2019	10/5/2020

FHR is supplying this information to meet the refill notification obligations of 40 CFR § 60.113b. FHR will include tanks on this list as refill dates become known and will provide any necessary updates in subsequent monthly reports.

PETROLEUM OR VOLATILE LIQUID STORAGE VESSEL EXTERNAL FLOATING ROOF SECONDARY SEAL GAP MAXIMUM WIDTH AND ACCUMULATED GAP AREA TEST RESULTS

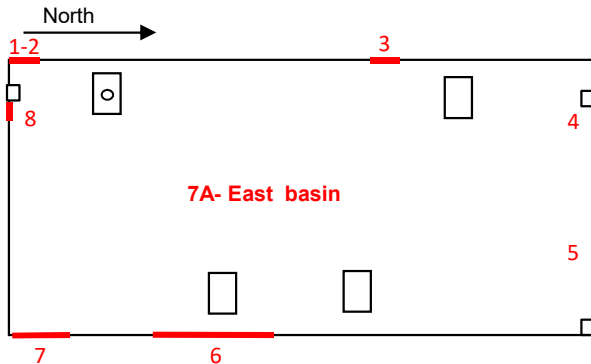
Subpart Kb: For Vessels With a Capacity Greater than 75 m³
and
Construction, Reconstruction or Modification after 7/23/84

FACILITY NAME Flint Hills Resources
VESSEL NO. 94B-7A
VESSEL CAPACITY _____
VESSEL CONSTRUCTION DATE 1/1/1976

TEST DATE 11/14/2019
INSPECTOR Jordan Henderson

PRIMARY SEAL TYPE: ☒ Liquid-Mounted
☐ Vapor-Mounted
☐ Metallic Shoe

METALLIC SHOE SEAL:
One end is submerged into stored liquid ☐ Yes
☐ No
☒ Does Not Apply
Other end extends a minimum of vertical distance of 61 cm (24 in.) above liquid ☐ Yes
☐ No
☒ Does Not Apply



SECONDARY SEAL

[Metallic Shoe
or
Liquid-Mounted]

[Vapor-Mounted]

Accumulated Gap Area	Allowable
<u>57.85217</u> cm ² /m	21.2
<u>2.73304</u> in ² /ft Fail	1

Maximum Gap Width	Allowable
<u>1.5875</u> cm	1.27
<u>0.625</u> in Fail	0.5

Observed Number of Holes, Tears or Openings	Allowable
Shoe <u>NA</u>	0
Seal Fabric <u>0</u>	0
Seal Envelope <u>0</u>	0

Accumulated Gap Area	Allowable
<u>NA</u> cm ² /m	21.2
<u>NA</u> in ² /ft	1

Maximum Gap Width	Allowable
<u>NA</u> cm	1.27
<u>NA</u> in	0.5

Observed Number of Holes, Tears or Openings	Allowable
Shoe <u>NA</u>	0
Seal Fabric <u>NA</u>	0
Seal Envelope <u>NA</u>	0

COMMENTS:

Basin covers operating as designed. The secondary seal gaps are outside allowable limits for maximum gap width and total accumulated. WO# PB567452 was written to have seal adjusted/repared within 45 days. (Locations 1-2, 4-8) Due on or before 12-29-19

SEAL GAP AREA FIELD DATA AND CALCULATION SUMMARY

Subpart Kb: For Vessels With a Capacity Greater than 75 m³ and Construction, Reconstruction or Modification after 7/23/84

VESSEL NO. 94B-7A DATE 11/14/2019
VESSEL DIAMETER 48.52179214 m INSPECTOR Jordan Henderson
Relative Diameter 159.2 ft Primary ☐

SEAL: Secondary ☒

500 ft perimeter / 3.1416 = 159.2

Gap No.	Gap Width		Gap Circumferential Length		Total Gap Surface Area	
	>1/8 in. dia. (in.)	>0.32 cm dia. (cm)	(in.)	(cm)	(in ²)	(cm ²)
1	0.375	0.9525	48	121.92	18	116.1288
2	0.5	1.27	36	91.44	18	116.1288
3	0.13	0.3302	70	177.8	9.1	58.70956
4	0.625	1.5875	48	121.92	30	193.548
5	0.625	1.5875	48	121.92	30	193.548
6	0.625	1.5875	336	853.44	210	1354.836
7	0.625	1.5875	144	365.76	90	580.644
8	0.625	1.5875	48	121.92	30	193.548
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
					435.1	2807.091 TOTAL

Maximum Gap Width = $\frac{1.5875 \text{ cm}}{0.625 \text{ in}}$

Accumulated Gap Area Per Meter of Tank Diameter:

$\frac{\text{Total Accumulated Gap Area, cm}^2}{\text{Diameter of the Vessel, m}} = \frac{57.852174}{1} \text{ cm}^2/\text{m}$

Accumulated Gap Area Per Foot of Tank Diameter:

$\frac{\text{Total Accumulated Gap Area, in}^2}{\text{Diameter of the Vessel, ft}} = \frac{2.7330402}{1} \text{ in}^2/\text{ft}$

Inspector signature: Jordan Henderson

Report Date: 11/14/2019

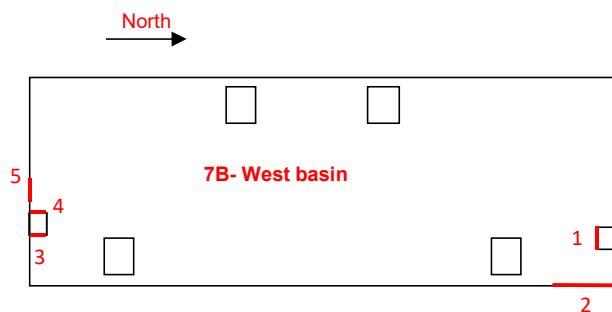
PETROLEUM OR VOLATILE LIQUID STORAGE VESSEL EXTERNAL FLOATING ROOF SECONDARY SEAL GAP MAXIMUM WIDTH AND ACCUMULATED GAP AREA TEST RESULTS

Subpart Kb: For Vessels With a Capacity Greater than 75 m³
 and
 Construction, Reconstruction or Modification after 7/23/84

FACILITY NAME Flint Hills Resources
 VESSEL NO. 94B-7B
 VESSEL CAPACITY _____
 VESSEL CONSTRUCTION DATE 1/1/1976

TEST DATE 11/14/2019
 INSPECTOR Jordan Henderson

PRIMARY SEAL TYPE: ☒ Liquid-Mounted
☐ Vapor-Mounted
☐ Metallic Shoe



METALLIC SHOE SEAL:
 One end is submerged into stored liquid ☐ Yes ☐ No ☒ Does Not Apply
 Other end extends a minimum of vertical distance of 61 cm (24 in.) above liquid ☐ Yes ☐ No ☒ Does Not Apply

SECONDARY SEAL

Metallic Shoe
or
Liquid-Mounted

Vapor-Mounted

Accumulated Gap Area	Allowable
<u>12.22062</u> cm ² /m	21.2
<u>0.577324</u> in ² /ft Pass	1

Maximum Gap Width	Allowable
<u>1.5875</u> cm	1.27
<u>0.625</u> in Fail	0.5

Observed Number of Holes, Tears or Openings	Allowable
Shoe <u>NA</u>	0
Seal Fabric <u>0</u>	0
Seal Envelope <u>0</u>	0

Accumulated Gap Area	Allowable
<u>NA</u> cm ² /m	21.2
<u>NA</u> in ² /ft	1

Maximum Gap Width	Allowable
<u>NA</u> cm	1.27
<u>NA</u> in	0.5

Observed Number of Holes, Tears or Openings	Allowable
Shoe <u>NA</u>	0
Seal Fabric <u>NA</u>	0
Seal Envelope <u>NA</u>	0

COMMENTS:

Basin covers operating as designed. The secondary seal gaps are outside allowable limits for maximum gap width. WO#PB567454 was written to have seal adjusted/repared within 45 days. (Locations 2) Due on or before 12-29-19.

SEAL GAP AREA FIELD DATA AND CALCULATION SUMMARY

Subpart Kb: For Vessels With a Capacity Greater than 75 m³
and
Construction, Reconstruction or Modification after 7/23/84

VESSEL NO. 94B-7B DATE 11/14/2019
VESSEL DIAMETER 48.52179214 m INSPECTOR Jordan Henderson
Relative Diameter 159.2 ft

Primary ☐

SEAL:

Secondary ☒

500 ft perimeter / 3.1416 = 159.2

Gap No.	Gap Width		Gap Circumferential Length		Total Gap Surface Area	
	>1/8 in. dia. (in.)	>0.32 cm dia (cm)	(in.)	(cm)	(in ²)	(cm ²)
1	0.13	0.3302	48	121.92	6.24	40.25798
2	0.625	1.5875	110	279.4	68.75	443.5475
3	0.13	0.3302	24	60.96	3.12	20.12899
4	0.25	0.635	24	60.96	6	38.7096
5	0.13	0.3302	60	152.4	7.8	50.32248
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	0	0	0	0	0
					91.91	592.9666 TOTAL

Maximum Gap Width = 1.5875 cm
0.625 in

Accumulated Gap Area Per Meter of Tank Diameter:

$\frac{\text{Total Accumulated Gap Area, cm}^2}{\text{Diameter of the Vessel, m}} = \frac{12.22062}{1} \text{ cm}^2/\text{m}$

Accumulated Gap Area Per Foot of Tank Diameter:

$\frac{\text{Total Accumulated Gap Area, in}^2}{\text{Diameter of the Vessel, ft}} = \frac{0.577324}{1} \text{ in}^2/\text{ft}$

Inspector signature: Jordan Henderson

Report Date: 11/14/2019

2020 PLANNED Kb-RELATED ACTIVITY

Flint Hills Resources Pine Bend Refinery

TANK	ROOF TYPE	ACTION	Past Date	SCHEDULED DATE	FOLLOW-UP FROM INSPECTION
088TK523	IFR	Annual visual inspection	Completed 2/28/2019	Scheduled 2/2020	
094B-7A East	EFR	Annual visual inspection and secondary seal gap measurement	Completed 2/27/2019	Scheduled 2/2020	
094B-7B West	EFR	Annual visual inspection and secondary seal gap measurement	Completed 2/27/2019	Scheduled 2/2020	
086TK011	IFR	Annual visual inspection	Completed 3/14/2019	Scheduled 3/2020	
086TK012	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
086TK014	IFR	Annual visual inspection	Completed 3/11/2019	Scheduled 3/2020	
086TK016	IFR	Annual visual inspection	Completed 3/11/2019	Scheduled 3/2020	
086TK023	IFR	Annual visual inspection	Completed 3/11/2019	Scheduled 3/2020	
086TK028	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
086TK048	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
094TK063	EFR	Annual visual inspection and secondary seal gap measurement	Completed 3/19/2019	Scheduled 3/2020	
094TK063	EFR	5 year primary inspection and seal gap measurement	Completed 3/14/2017	Scheduled 3/2022	
086TK161	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
094TK205	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
094TK206	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
088TK522	IFR	Annual visual inspection	Completed 3/19/2019	Scheduled 3/2020	
086TK001	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK001	EFR	5 year primary inspection and seal gap measurement	Completed 4/06/2017	Scheduled 4/2022	
086TK002	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK002	EFR	5 year primary inspection and seal gap measurement	Completed 4/27/2015	Scheduled 4/2020	
086TK003	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK003	EFR	5 year primary inspection and seal gap measurement	Completed 4/26/2016	Scheduled 4/2021	
086TK004	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK004	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK005	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK005	EFR	5 year primary inspection and seal gap measurement	Completed 4/12/2017	Scheduled 4/2022	
086TK006	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK006	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK007	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK007	EFR	5 year primary inspection and seal gap measurement	Completed 4/10/2019	Scheduled 4/2024	
086TK061	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK061	EFR	5 year primary inspection and seal gap measurement	Completed 4/25/2018	Scheduled 4/2023	

2020 PLANNED Kb-RELATED ACTIVITY

Flint Hills Resources Pine Bend Refinery

TANK	ROOF TYPE	ACTION	Past Date	SCHEDULED DATE	FOLLOW-UP FROM INSPECTION
086TK062	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK062	EFR	5 year primary inspection and seal gap measurement	Completed 4/9/2019	Scheduled 4/2024	
086TK066	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK066	EFR	Initial visual inspection and secondary seal gap measurement.	New seal installed during TA	Scheduled 12/2019	
086TK066	EFR	Initial 5 year primary inspection and seal gap measurement	New seal installed during TA	Scheduled 12/2019	
086TK068	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/10/2019	Scheduled 4/2020	
086TK068	EFR	5 year primary inspection and seal gap measurement	Completed 10/2/2017	Scheduled 10/2022	
086TK080	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK080	EFR	5 year primary inspection and seal gap measurement	Completed 4/05/2017	Scheduled 4/2022	
086TK083	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/2/2019	Scheduled 4/2020	
086TK083	EFR	5 year primary inspection and seal gap measurement	Completed 4/2/2019	Scheduled 4/2024	
086TK087	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/9/2019	Scheduled 4/2020	
086TK087	EFR	5 year primary inspection and seal gap measurement	Completed 4/25/2018	Scheduled 4/2023	
086TK088	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK088	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK150	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK150	EFR	5 year primary inspection and seal gap measurement	Completed 4/8/2019	Scheduled 4/2024	
086TK151	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK151	EFR	5 year primary inspection and seal gap measurement	Completed 4/23/2018	Scheduled 4/2023	
086TK152	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK152	EFR	5 year primary inspection and seal gap measurement	Completed 4/13/2015	Scheduled 4/2020	
086TK160	EFR	Annual visual inspection and secondary seal gap measurement	Completed 4/8/2019	Scheduled 4/2020	
086TK160	EFR	5 year primary inspection and seal gap measurement	Completed 3/29/2017	Scheduled 3/2022	
049TK586	EFR	Annual visual inspection and secondary seal gap measurement	Completed 8/13/2019	Scheduled 8/2020	
049TK586	EFR	5 year primary inspection and seal gap measurement	Completed 8/7/2017	Scheduled 8/2022	
049TK587	EFR	Annual visual inspection and secondary seal gap measurement	Completed 7/23/2019	Scheduled 7/2020	
049TK587	EFR	5 year primary inspection and seal gap measurement	Completed 7/31/2017	Scheduled 7/2022	
094B-7A East	EFR	Annual visual inspection and secondary seal gap measurement	Completed 5/29/2019	Scheduled 5/2020	
094B-7B West	EFR	Annual visual inspection and secondary seal gap measurement	Completed 5/29/2019	Scheduled 5/2020	

2020 PLANNED Kb-RELATED ACTIVITY

Flint Hills Resources Pine Bend Refinery

TANK	ROOF TYPE	ACTION	Past Date	SCHEDULED DATE	FOLLOW-UP FROM INSPECTION
086TK015	IFR	Annual visual inspection	Completed 6/5/2019	Scheduled 6/2020	
086TK017	IFR	Annual visual inspection	Completed 6/5/2019	Scheduled 6/2020	
086TK018	IFR	Annual visual inspection	Completed 6/26/2019	Scheduled 6/2020	
086TK026	IFR	Annual visual inspection	Completed 6/5/2019	Scheduled 6/2020	
086TK027	IFR	Annual visual inspection	Completed 7/9/2019	Scheduled 7/2020	
094TK064	EFR	Annual visual inspection and secondary seal gap measurement	Completed 2/21/2019	Scheduled 2/2020	
094TK064	EFR	5 year primary inspection and seal gap measurement	Completed 2/22/2018	Scheduled 2/2023	
086TK067	IFR	Annual visual inspection	Completed 6/6/2019	Scheduled 6/2020	
086TK082	IFR	Annual visual inspection	Completed 7/9/2019	Scheduled 7/2020	
086TK084	IFR	Annual visual inspection	Completed 6/26/2019	Scheduled 6/2020	
086TK085	IFR	Annual visual inspection	Completed 6/6/2019	Scheduled 6/2020	
086TK010	IFR	Annual visual inspection	Completed 7/15/2019	Scheduled 7/2020	
086TK013	IFR	Annual visual inspection	Completed 7/15/2019	Scheduled 7/2020	
086TK024	IFR	Annual visual inspection	Completed 7/9/2019	Scheduled 7/2020	
086TK025	IFR	Annual visual inspection	Completed 7/9/2019	Scheduled 7/2020	
086TK049	IFR	Annual visual inspection	Completed 7/30/2019	Scheduled 7/2020	
086TK065	IFR	Annual visual inspection	Completed 8/28/2019	Scheduled 8/2020	
086TK086	IFR	Annual visual inspection	Completed 8/28/2019	Scheduled 8/2020	
094B-7A East	EFR	Annual visual inspection and secondary seal gap measurement	Completed 8/12/2019	Scheduled 8/2020	
094B-7B West	EFR	Annual visual inspection and secondary seal gap measurement	Completed 8/12/2019	Scheduled 8/2020	
94V49	EFR	Annual visual inspection and secondary seal gap measurement	Completed 7/22/2019	Scheduled 7/2020	
94V49	EFR	5 year primary inspection and seal gap measurement	Completed 10/23/2018	Scheduled 10/2023	
094B-7A East	EFR	Annual visual inspection and secondary seal gap measurement	Completed 11/14/2019	Scheduled 11/2020	
094B-7A East	EFR	5 year primary inspection and seal gap measurement	Completed 11/9/2016	Scheduled 11/2021	
094B-7B West	EFR	Annual visual inspection and secondary seal gap measurement	Completed 11/14/2019	Scheduled 11/2020	
094B-7B West	EFR	5 year primary inspection and seal gap measurement	Completed 11/9/2016	Scheduled 11/2021	